

What is claimed is:

1. A device for printing onto a medium, said device comprising:
a mesh-like substrate having a hole;
said hole being configured to hold a material for application onto said medium;
a nozzle for expelling a fluid, said nozzle being maneuverable substantially
directly over said hole;
wherein said nozzle is operable to expel said liquid onto said material held in said
hole to thereby cause said material to be applied onto said medium and thereby print an image on
said medium.
2. The device according to claim 1, wherein said substrate comprises a continuous
loop.
3. The device according to claim 1, wherein said substrate comprises a substantially
circular configuration.
4. The device according to claim 1, further comprising a plurality of mesh-like
substrates, wherein each of said mesh-like substrates is operable to support a different material.
5. The device according to claim 1, further comprising a scraper for removing excess
material from said mesh-like substrate.
6. The device according to claim 1, wherein said fluid comprises a liquid or a gas.
7. The device according to claim 1, wherein said material comprises a liquid or a
solid substance.
8. The device according to claim 1, wherein said hole comprises a generally conical
configuration.

9. The device according to claim 1, further comprising a power source connected to said mesh-like substrate to supply electricity to said mesh-like substrate, whereby said material may be held within said hole by a charged attraction between said mesh-like substrate and said material.

5

10. The device according to claim 9, wherein said supplied electricity is capable of magnetically charging said mesh-like substrate, whereby said material may be held within said hole by a magnetically charged attraction between said substrate and said material.

10

11. The device according to claim 1, wherein said material is a fluid and is configured to be held within said hole by capillary forces.

12. A method for printing onto a medium, said method comprising:
applying a material onto a mesh-like substrate having a hole,
filling a portion of said hole with said material; and
expelling a fluid from a nozzle at a substantially high rate of speed toward said material held within said hole, wherein said fluid is configured to contact said material and cause said material to be substantially forced out of said hole and applied onto said medium.

20

13. The method according to claim 12, further comprising:
removing excess material from said hole with a scraper.

14. The method according to claim 12, wherein said material applying step comprises depositing said material from a supply bin spaced from said nozzle.

25

15. The method according to claim 14, further comprising:
moving said mesh-like substrate to a position generally below said nozzle such that a portion of said mesh-like substrate containing said material is in position to have said material forced out of said hole by operation of said nozzle.

30

16. The method according to claim 12, wherein said material application step further comprises applying material into a second hole of said mesh-like substrate;

maneuvering said mesh-like substrate and said medium in response to an additional material application being required; and

expelling fluid from said nozzle toward said material held within said second hole, wherein said fluid is configured to contact said material and cause said material to be substantially forced out of said hole and applied onto said medium.

17. The method according to claim 12, further comprising:

cleaning a substantial portion of any remaining material on said mesh-like substrate in response to said mesh-like substrate requiring cleaning.

18. The method according to claim 12, further comprising:

applying additional material on said mesh-like substrate in response to additional application of material onto said medium being required.

19. A computer readable storage medium on which is embedded one or more computer programs, said one or more computer programs implementing a method for printing onto a medium, said one or more computer programs comprising a set of instructions for:

applying a material onto a mesh-like substrate having a hole,
filling a portion of said hole with said material; and

expelling a fluid from a nozzle at a substantially high rate of speed toward said material held within said hole, wherein said fluid is configured to contact said material and cause said material to be substantially forced out of said hole and applied onto said medium.

20. The computer readable storage medium according to claim 19, said one or more computer programs further comprising a set of instructions for:

moving said mesh-like substrate to a position generally below said nozzle such that a portion of said mesh-like substrate containing said material is in position to have said material forced out of said hole.

21. The computer readable storage medium according to claim 19, said one or more computer programs further comprising a set of instructions for:

applying said material into a second hole of said mesh-like substrate;

maneuvering said mesh-like substrate and said medium in response to an additional material application being required; and

expelling fluid from said nozzle toward said material held within said second hole, wherein said fluid is configured to contact said material and cause said material to be
5 substantially forced out of said hole and applied onto said medium.